

AMENDMENTS TO THE CLAIMS

The claims in this listing will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) An apparatus for preventing slipping of a vehicle on a slope, wherein the apparatus is installed at a brake hydraulic circuit connecting a master cylinder to wheel cylinders, in order to apply brake hydraulic pressure into the wheel cylinders even after a brake pedal is released, the apparatus comprising:

a plurality of solenoid valves that shut the brake hydraulic circuit; and

a plurality of variable orifices that variably reduce brake force of the wheel cylinders after the brake pedal is released, by ~~taking advantage of~~ utilizing a brake fluid flow to the master cylinder, wherein the solenoid valves and the variable orifices are connected to the brake hydraulic circuit in parallel, whereby changing the diameters of the variable orifices provides an adjustable delay in reducing the brake force of the wheel cylinders.

2. (Previously Amended) The apparatus according to claim 1, further comprising:

a plurality of relief valves connected to the solenoid valves and the variable orifices in parallel, respectively, that reduce the brake hydraulic pressure in the wheel cylinders to a designated pressure by a release of the brake pedal in case

that a higher brake hydraulic pressure than the designated pressure is generated in the wheel cylinders while the brake hydraulic circuit is shut down.

3. (Previously Amended) The apparatus according to claim 1, further comprising:

a plurality of check valves connected to the solenoid valves and the variable orifices in parallel, respectively, that transfer brake hydraulic pressure generated from the master cylinder to the wheel cylinders while the brake hydraulic circuit is shut down.

4. (Previously Amended) The apparatus according to claim 2, further comprising:

a plurality of check valves connected to the solenoid valves and the variable orifices in parallel, respectively, that transfer brake hydraulic pressure generated from the master cylinder to the wheel cylinders while the brake hydraulic circuit is shut down.